
Prehospital Pediatric Care

Pediatric Basics

Instructor Guidelines

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Acknowledgement

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Georgia Emergency Medical Services for Children

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Summary and Answers

This module will require about four hours of time to view the videotape, complete the workbook and discuss the concepts. You can organize the delivery so that the students work individually and meet with you to discuss the concepts or you can choose to do a group session.

If you choose to have a group of learners together, we recommend you limit the number in order to efficiently grasp the information. Once you have used the module, you will be able to determine what is best for your situation.

It is very important that each learner have access to both the video and the workbook. Just viewing is not sufficient. The workbook provides new information as well as reinforcing material provided in the video. PLEASE maintain the concept of working back and forth between the video and the workbook.

The skills associated with this module are crucial to competent care. It is recommended that the skills be practiced in conjunction with the video and the workbook, especially those of assessment.

Basic Course Directions

Read the **Desired Outcomes** for each part. These will give you clues to what knowledge you should gain by completing this course.

View the part of the **Videotape** which corresponds to your workbook section.

Between sections of the program you may either pause or stop the videotape. Caution: Be aware that long pause times can damage the tape.

Take notes of concepts you want to reinforce and complete the blank segments of the Desired Outcomes as you watch the videotape. Jot down any notes or questions in the sidebars of your workbook. Discuss topics or questions with your instructor.

Complete the **Quiz Questions**.

Evaluate your comprehension of the section. Try to fill in the Desired Outcomes again from memory. Review or continue as desired.

Part A

DESIRED OUTCOMES (Course Philosophy)

1.
 - a. Oxygenation/ ventilation output
 - b. Cardiac Output
 - c. Stable Oxygenation/ventilation/cardiac output that MUST be maintained
 - d. Cervical spine
 - e. Fractured immobilized
2.
 - a. Lengthy history
 - b. IV therapy
 - c. Immobilization of fractures
3.
 - a. Distance and time or transport
 - b. Traffic and weather

QUIZ Questions-Part A

1. a
2. a
3. d
4. a-3
b-5
c-4
d-5

Part B

DESIRED OUTCOMES (Psychological Aspects)

1.
 - a. Fear of providing inappropriate care
 - b. Lack of exposure/experience
 - c. Lack of knowledge
 - d. Personalizing situations
 - e. Child's reactions, ie. crying
2.
 - a. Become more educated
 - b. Acquire knowledge of how to care for pediatric patients
 - c. Acquire knowledge of how to care for yourself

3.
 - a. Strangers
 - b. Abandonment or separation from parent
 - c. Injury/pain or loss of body parts
 - d. Unknown
4.
 - a. Guilt
 - b. Fear
 - c. Exhaustion
 - d. Defensiveness
5.
 - a. Appear calm
 - b. Explain actions
 - c. Use child's name and parents' sir names
 - d. Be truthful
 - e. Provide reassurance

QUIZ-Part B

1. d 2. c 3. a 4. d
5. b

Part C

DESIRED OUTCOMES (Growth & Development)

1.

<ol style="list-style-type: none"> a. 0-3 months Growth & Development 	<p>Reacts completely by instincts and reflexes, shows pain only through crying, breathes through nasal passages only, recognizes faces and tries to raise head</p>
<ol style="list-style-type: none"> Illness and injury 	<p>Heat loss, unstable glucose levels, dehydration, can become hypoxic from a common cold, and susceptible to respiratory infection, SIDS, meningitis, and abuse</p>
<ol style="list-style-type: none"> b. 3-6 months Growth & Development 	<p>Movements are more controlled, can roll over, sit up with support, birth weight will double</p>
<ol style="list-style-type: none"> Illness and injury 	<p>Respiratory infections are common, choking, and rolling off of couches, beds, etc.</p>

c. 6-12 months		
Growth & Development		Rolling, crawling, walking, more developed neuro-muscular system, usually weaned from bottle, and very curious
Illness and injury		Fever and febrile seizures, respiratory infections, aspiration, choking, and traumatic injuries from bumps and falls
d. 1-3 yrs / toddler		
Growth & Development		Highly mobile, coordinated, busy, fontanel is closed
Illness and injury		Respiratory infections, poisonings, falls, bruises, possible child abuse
e. 3-6 yrs / preschooler		
Growth & Development		Very well coordinated, run, skip, talk well, toilet trained, great imagination, fear of separation from parent
Illness and injury		Colds, communicable disease, immune system is more resistant, blunt trauma by motor vehicle is common
f. 6-12 yrs / school age		
Growth & Development		Intellectual, modest, follows instructions, fears pain
Illness and injury		Less sickness, underlying illnesses such as diabetes may surface, trauma from bikes, skates, etc.
g. 13-18 yrs / Adolescence		
Growth & Development		All body systems mature except reproductive system, interest in opposite sex, no childhood fears, independent, good source of information
Illness and injury		Illness less likely, possible pregnancy in females, less likely to be sick, trauma from automobile accidents

2.

- a. Discuss options, treat as an adult, keep parent present when appropriate
- b. Get acquainted with the child, eye contact, expect crying, listen to parent for clues
- c. Use name of child, expect crying, continue treatment, listen to parent for clues

QUIZ-Part C

- | | | | |
|-------|------|------|------|
| 1. c | 2. c | 3. c | 4. d |
| 6. b | 7. d | 8. c | 9. a |
| 10. d | | | |

Part D

DESCRIBED OUTCOMES (Pediatric History)

1.
 - a. Physical environment
 - b. Mechanism of injury
 - c. Awareness of unusual relationships
 - d. Bottles or chemicals present
2.
 - a. Reaffirm complaint
 - b. Present problem
 - c. Past medical history
 - d. Medications
 - e. Allergies
 - f. Weight
 - g. Last meal before incident
3.
 - a. Allergies
 - b. Medications
 - c. Past medical History
 - d. Last meal
 - e. Events leading to call

QUIZ-Part D

- | | | |
|------|------|------|
| 1. b | 2. c | 3. b |
|------|------|------|

Part E

DESIRED OUTCOMES (Physical Examination)

The completion of Part E should enable you to:

1.
 - a. Airway / Cervical spine
 - b. Breathing
 - c. Circulation
 - d. Level of Consciousness
 - e. Deformities – unusual movements of extremities
2.

Observe: Chest and abdomen to rise and fall

Count: 60 seconds
3.
 - a. 30-60
 - b. 18-25 (6 yr old) 15-20 (10 yr old)
4.
 - a. Brachial
 - b. Carotid
5.
 - a. 100-160
 - b. 70-110 (6yr old) 60-90 (10 yr old)
6. $80 + (\text{age in years} \times 2) = \text{Systolic}$
7. $(\text{Age in years} \times 2) + 8 = \text{Weight in Kg}$
8.
 - a. Palpate extremities and match side to side
 - b. Palpate abdomen – distention sunken
 - c. Genitalia
 - d. Back
 - e. Head – Fontanel

QUIZ-Part E

- | | | | |
|------|-------|-------|-------|
| 1. c | 2. d | 3. a | 4. b |
| 5. a | 6. b | 7. a | 8. c |
| 9. a | 10. d | 11. a | 12. d |